

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization International Bureau



(43) International Publication Date
3 February 2005 (03.02.2005)

PCT

(10) International Publication Number
WO 2005/009186 A1

(51) International Patent Classification⁷: **A47J 19/02, 19/06**

(74) Agent: F B RICE & CO; 605 Darling Street, Balmain, NSW 2041 (AU).

(21) International Application Number:
PCT/AU2004/000944

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(22) International Filing Date: **13 July 2004 (13.07.2004)**

(25) Filing Language: **English**

(26) Publication Language: **English**

(30) Priority Data:
2003903799 23 July 2003 (23.07.2003) AU
2003904365 18 August 2003 (18.08.2003) AU
2003906166 10 November 2003 (10.11.2003) AU

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

(71) Applicant (for all designated States except US):
THERESA INTERNATIONAL LIMITED [—/CN]; 1612, 16 Floor, Grandtect Centre, 8 On Ping Street, Shatin, New Territories, Hong Kong (CN).

(72) Inventor; and

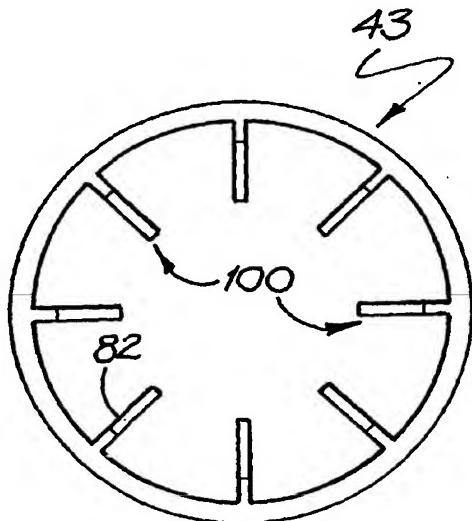
(75) Inventor/Applicant (for US only): **BARKER, Mario, John, Chaves [AU/AU]; 4/192 Albion Street, Annandale, NSW 2038 (AU).**

Published:

— with international search report

{Continued on next page}

(54) Title: JUICER



WO 2005/009186 A1

(57) Abstract: This invention concerns a juicer (10), that is a machine for extracting the juice from fruit and vegetables. Such machines are used domestically, and also commercially in restaurants, cafes and juice bars. The invention comprises an electric motor (22), a shredder (25) mounted for rotation by the motor, a feed tube (43) to deliver pieces to be juiced to the shredder for juicing, wherein the feed tube has an inner diameter of more than 75mm, and three, or more, inwardly directed formations are arranged to constrict the interior of the feed tube. The inner diameter of the feed tube may be large enough for a typical apple to pass through it whole such as 85mm or more. The inwardly directed formations serve to prevent the insertion of a hand or arm into or through the feed tube despite its large diameter.